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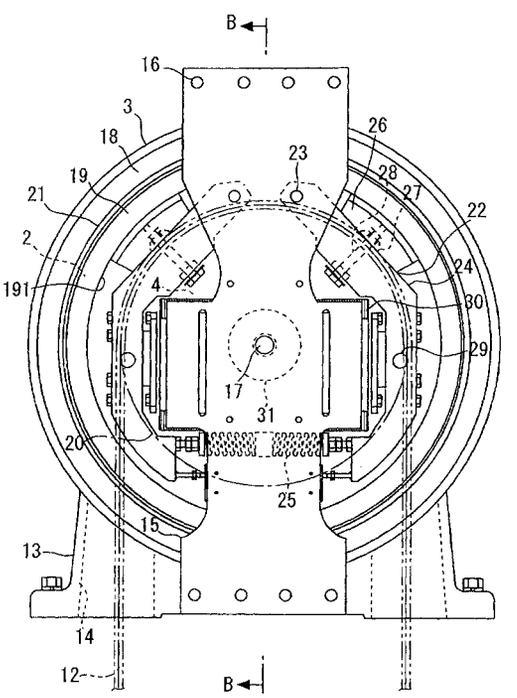
(54) Elevator traction machine

(57) An elevator traction machine which can be readily installed within a narrow space. A main shaft is originated from a circularly-recessed base member whose one side is open. A circularly-recessed rotating member is provided within the base member in a fitting manner such that the bottom surface of the circularly-recessed rotating member opposes the bottom surface of the base member, and rotatively supported on the main shaft. A sheave is formed on the exterior circumferential surface of the circularly-recessed rotating member facing the bottom portion of the base member. A brake surface is formed on the interior circumferential surface of the edge of the circularly-recessed rotating member. A stator winding is provided on the interior circumferential surface of the base member in the vicinity of the opening edge. An armature is disposed on the outer circumferential surface of the circularly-recessed rotating member in the vicinity of the opening edge. A brake which opposes the brake surface and has brake pieces for applying brake force is disposed in an inner space of the circularly-recessed rotating member. Thus, the sheave is integrally formed with the circularly-recessed member having the armature provided thereon. Further, the brake is provided within the circularly-recessed member, rendering the traction machine compact. As a result, limitation imposed on installation of the elevator traction machine and a difficulty in performing maintenance on the elevator traction machine are eliminated.

Fig.1



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EUROPEAN SEARCH REPORT

Application Number
EP 00 10 2258

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TECHNICAL FIELDS SEARCHED (Int.Cl.7)

B66B

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
MUNICH	16 May 2002	Eckenschwiller, A

CATEGORY OF CITED DOCUMENTS

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